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SECRET

17 December 1962

MEMORANDUM FOR: Chief, P & PS

THROUGH: Executive Secretary, ESC

SUBJECT: Staff Study Relevant to the Purchase of a [redacted] Comparator. 25X1A

STATEMENT OF THE PROBLEM

It is requested that the [redacted] Comparator, model 880 be purchased for TID/ESL. 25X1A

THE FACTS

1. The [redacted] comparator is by far the most reliable instrument that TID has had, up to now the comparator has been operating 100% of the time. 25X1A

2. The [redacted] instrument has been the work horse of the Branch, and is the only instrument that is functional in the event of electrical power failure. 25X1A

3. At present there is a queue forming to use the [redacted] simply because the RMC/1's have never operated satisfactorily in the [redacted] Building environment plus the fact that one of the ternary cards has been faulty causing them to be in-operable. 25X1A 25X1A

4. When the 1962 T. O. of 26 personnel is filled more than the present instrumentation will be necessary. As of this date the following instruments are available:

a. Three RMC/1; it is hoped that they will be functioning on or about 1 February 1963.

b. One [redacted] Comparator, model 880. 25X1A

c. One [redacted] operable about 1 March 1963, but will be used extensively to de-bug the real-time 490 computer concept. It will, nonetheless, be in production use if the instrument functions as expected. 25X1A

The above gives a total of five instruments for measuring. The [redacted] and the RMC/1 may or may not cause problems (mostly with their electronic 25X1A

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components). If they do cause trouble then there will only be one measuring instrument available, namely the [redacted] 25X1A

CONCLUSION

It is concluded that in order to be assured of a continually dependable measuring capability under all circumstances it is necessary 25X1A to purchase another [redacted] comparator.

RECOMMENDATION

It is recommended that a [redacted] comparator model 880 be purchased 25X1A on a priority basis. On concurrence with this Staff Study it is 25X1A requested that contract monitor contact [redacted] for minor modifications 25X1A that have become apparent through continual use of the present [redacted]

25X1A

[redacted]

17 December 1962
25X1A MPIC/PID/TAB/[redacted]/mct

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